

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Claim 1 (Currently Amended): Procedure to reduce the signalling load in a cellular mobile telephone system which supports packet switched services, ~~at which one in the mobile telephone system included mobile station is switched~~ comprising:

switching one of a plurality of mobile stations in the cellular mobile telephone system between a first mode in a first state, here called Ready State, respective to a second state, here called Standby State, depending on a time parameter which indicates a time during which the mobile station shall remain in the first state in order to after that change to the second state;
and

~~characterized in the step to currently set~~ setting the value of the time parameter depending on ~~the~~ a current speed of the mobile station through ~~the~~ a cell network of the cellular mobile telephone system.

Claim 2 (Currently Amended): Procedure to set a time parameter in a cellular, ~~i.e. one of a cellular network built up,~~ mobile telephone system which supports packet switched services, ~~at which one in the mobile telephone system included mobile station is switched,~~ comprising:

switching one of a plurality of mobile stations in the cellular mobile telephone system between a first mode in a first state, here called Ready State, respective to a second state, here called Standby State, depending on said time parameter which indicates a time during which the mobile station shall remain in the first state in order to after that change to the second state, characterized in the step to currently set; and

setting currently the value of the time parameter depending on ~~the~~ a current speed of the mobile station through ~~the~~ a cell network of the cellular mobile telephone system.

Claim 3 (Currently Amended): Procedure according to ~~patent~~ claim 1, further ~~characterized in the steps to~~ comprising:

- A2
- ~~at the entry of a mobile station into the mobile telephone system allocate~~
allocating a predefined value to the time parameter of the mobile station a predefined value
when a mobile station enters the cellular mobile telephone system; and to
 - ~~at a cell update reduce~~ reducing the time parameter according to a predefined rule when a cell update occurs.

Claim 4 (Currently Amended): Procedure according to ~~patent~~ claim 3,
~~characterized in that~~ wherein the value of the time parameter is halved at a cell update.

Claim 5 (Currently Amended): Procedure according to ~~patent~~ claim 1, further ~~characterized in the steps to~~ comprising:

- ~~at the entry of a mobile station into the mobile telephone system, allocate~~
allocating a predefined value to the time parameter of the mobile station a predefined value
when a mobile station enters the cellular mobile telephone system;
- ~~currently estimate~~ estimating currently the speed of the mobile station ~~through~~
through the cell network;
- ~~at cell update report an~~ reporting the currently estimated speed to the cell
network when a cell update occurs; and to

- ~~adapt~~ adapting the time parameter of the mobile station according to a predefined rule.

Claim 6 (Currently Amended): Procedure according to ~~patent~~ claim 1, further ~~characterized in the steps to~~ comprising:

- A2
- ~~at the entry of a mobile station into the mobile telephone system, report~~ reporting an estimated speed of the mobile station when a mobile station enters the cellular mobile telephone system;
 - ~~set~~ setting the time parameter of the mobile station according to a predefined rule depending on the estimated speed;
 - ~~currently estimate~~ estimating currently the speed of the mobile station through the cell network;
 - ~~at cell update report~~ reporting the currently estimated speed to the cell network when a cell update occurs; and to
 - ~~after that adapt the~~ adapting an actual speed of the mobile station according to a predefined rule after the reporting.

Claim 7 (Currently Amended): Procedure according to ~~patent~~ claim 5, ~~characterized in that~~ wherein the time parameter is set according to a table in which different time parameters for different speed intervals are described.

Claim 8 (Currently Amended): Procedure according to ~~patent~~ claim 1, ~~characterized in that said~~ wherein the time parameter of the mobile station and a corresponding time parameter of the cellular network are changed essentially at the same

time.

Claim 9 (Currently Amended): A cellular mobile telephone system which supports packet switched services, ~~at which one in the mobile telephone system included mobile station is switched between a first mode in a first state, here called Ready State, respective a second state, here called Standby State, depending on a time parameter which indicates a time during which the mobile station shall remain in the first state in order to after that change to the second state, characterized in, comprising:~~

AZ means to for currently set setting a the value of the a time parameter depending on the a current speed of the a mobile station through the a cell network of the a cellular mobile telephone system,

wherein one of a plurality of mobile stations included in the cellular mobile telephone system is switched between a first mode in a first state respective to a second state depending on the time parameter that indicates a time when the one of the plurality of mobile stations shall remain in the first state to thereafter change to the second state.

Claim 10 (Currently Amended): Mobile telephone system according to ~~patent~~ claim 9, further characterized in that there are included comprising:

- means to ~~allocate~~ for allocating a predefined value to the time parameter of the mobile station ~~a predefined value~~ at the entry of the mobile station into the mobile telephone system; and

- means to, ~~at a cell update, reduce~~ for reducing the value of the time parameter according to a predefined rule.

Claim 11 (Currently Amended): Mobile telephone system according to ~~patent~~ claim 10, ~~characterized in that~~ wherein the value of the time parameter is halved at a cell update.

Claim 12 (Currently Amended): Mobile telephone system according to ~~patent~~ claim 9, further ~~characterized in that there are included~~ comprising:

- A12
- means ~~to allocate~~ for allocating a predefined value to the time parameter of the mobile station ~~a predefined value~~ at the entry of the mobile station into the mobile telephone system;
 - means ~~to currently estimate~~ for estimating currently the speed of the mobile station through the cell network;
 - means ~~to report an~~ for reporting the currently estimated speed to the network at a cell update; and
 - means ~~to adapt~~ for adapting the time parameter to the currently estimated speed of the mobile station according to a predefined rule.

Claim 13 (Currently Amended): Mobile telephone system according to ~~patent~~ claim 9, further ~~characterized in that there are included~~ comprising:

- means ~~to report~~ for reporting an estimated speed of the mobile station at its entry into the mobile telephone system;
- means ~~to set~~ for setting the time parameter of the mobile station according to a predefined rule depending on the estimated speed;
- means ~~to currently estimate~~ for estimating currently the speed of the mobile station through the cell network;
- means ~~to, at cell update, report~~ for reporting the currently estimated speed to the cell network when a cell update occurs; and

- means to ~~adapt~~ for adapting the time parameter to the currently estimated speed of the mobile station according to a predefined rule.

Claim 14 (Currently Amended): Mobile telephone system according to ~~patent~~ claim 12, ~~characterized in that~~ wherein the time parameter is set according to a table in which different time parameters for different time intervals are described.

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Claim 15 (Currently Amended): Mobile telephone system according to ~~patent~~ claim 9, ~~characterized in that said~~ wherein the time parameter of the mobile station and a corresponding time parameter of the cell network are changed essentially at the same time.

Claim 16 (Currently Amended): A mobile station included in a cellular mobile telephone system which supports packet switched services, ~~at which the mobile station is switched between a first mode in a first state, here called Ready State, respective a second state, here called Standby State, depending on a time parameter which indicates a time during which the mobile station shall remain in the first state in order to after that switch to the second state, characterized in~~ comprising:

means to ~~currently set the~~ for setting currently a value of the a time parameter depending on ~~the~~ a current speed of the mobile station through ~~the~~ a cell network of the cellular mobile telephone system,

wherein one of a plurality of mobile stations included in a cellular mobile telephone system is switched between a first mode in a first state respective to a second state depending on the time parameter that indicates a time when the one of the plurality of mobile stations shall remain in the first state to thereafter change to the second state.

Claim 17 (Currently Amended): Mobile station according to ~~patent~~ claim 16, further characterized in that there are included comprising:

- means ~~to allocate~~ for allocating a predefined value to the time parameter of the mobile station a predefined value at the entry of the mobile station into the cellular mobile telephone system; and

means ~~to, at a cell update, reduce~~ for reducing the time parameter according to a predefined rule when a cell update occurs.

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Claim 18 (Currently Amended): Mobile station according to ~~patent~~ claim 17, characterized in that wherein the value of the time parameter is halved at a cell update.

Claim 19 (Currently Amended): Mobile station according to ~~patent~~ claim 16, further characterized in that there are included comprising:

- means ~~to allocate~~ for allocating a predefined value to the time parameter of the mobile station a predefined value at the entry of the mobile station into the cellular mobile telephone system;

- means ~~to currently estimate~~ for estimating currently the speed of the mobile station through the cell network;

- means ~~to report an~~ for reporting the currently estimated speed to the network at cell update; and

- means ~~to adapt~~ for adapting the time parameter to the currently estimated speed of the mobile station according to a predefined rule.

Claim 20 (Currently Amended): Mobile station according to ~~patent~~ claim 16, further characterized in that there are included comprising:

- means ~~to report~~ for reporting an estimated speed of the mobile station at its entry into the cellular mobile telephone system;

- means ~~to set~~ for setting the time parameter of the mobile station according to a predefined rule, depending on the estimated speed;

- means, ~~to currently estimate~~ for estimating currently the speed of the mobile station through the cell network;

- means ~~to, at cell update, report~~ for reporting the currently estimated speed to the network when a cell update occurs; and

- means ~~to adapt~~ for adapting the time parameter to the currently estimated speed of the mobile station according to a predefined rule.

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Claim 21 (Currently Amended): Mobile station according to ~~patent~~ claim 19, ~~characterized in that~~ wherein the time parameter is set according to a table in which different time parameters for different speed intervals are described.

Claim 22 (Currently Amended): Mobile station according to ~~patent~~ claim 16, at ~~which~~ wherein said time parameter of the mobile station and a corresponding time parameter of the cell network are changed essentially at the same time.

Claim 23 (New): A cellular mobile telephone system which supports packet switched services, comprising:

a time circuit configured to set a value of a time parameter depending on a current speed of a mobile station through a cell network of a mobile telephone system,

wherein one of a plurality of mobile stations included in a cellular mobile telephone system is switched between a first mode in a first state respective to a second state depending

on the time parameter that indicates a time when the one of the plurality of mobile stations shall remain in the first state to thereafter change to the second state.

Claim 24 (New): Mobile telephone system according to claim 23, further comprising:
an allocator configured to allocate a predefined value to the time parameter of the mobile station at the entry of the mobile station into the mobile telephone system; and
a reducer configured to reduce the value of the time parameter according to a predefined rule.

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Claim 25 (New): Mobile telephone system according to claim 24, wherein the value of the time parameter is halved at a cell update.

Claim 26 (New): Mobile telephone system according to claim 23, further comprising:
an allocator configured to allocate a predefined value to the time parameter of the mobile station at the entry of the mobile station into the mobile telephone system;
an estimator configured to currently estimate the speed of the mobile station through the cell network;
a reporting unit configured to report an estimated speed to the network at a cell update; and
an adapting unit configured to adapt the time parameter to the currently estimated speed of the mobile station according to a predefined rule.

Claim 27 (New): Mobile telephone system according to claim 23, further comprising:
a reporting unit configured to report an estimated speed of the mobile station at its entry into the mobile telephone system;

a setting unit configured to set the time parameter of the mobile station according to a predefined rule depending on the estimated speed;

an estimator configured to currently estimate the speed of the mobile station through the cell network;

a reporting unit configured to report the currently estimated speed to the cell network when a cell update occurs; and

an adapting unit configured to adapt the time parameter to the currently estimated speed of the mobile station according to a predefined rule.

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Claim 28 (New): Mobile telephone system according to claim 26, wherein the time parameter is set according to a table in which different time parameters for different time intervals are described.

Claim 29 (New): Mobile telephone system according to claim 23, wherein the time parameter of the mobile station and a corresponding time parameter of the cell network are changed essentially at the same time.

Claim 30 (New): A mobile station included in a cellular mobile telephone system which supports packet switched services, comprising:

a setting unit configured to currently set the value of a time parameter depending on a current speed of the mobile station through a cell network of the cellular mobile telephone system,

wherein one of a plurality of mobile stations included in a cellular mobile telephone system is switched between a first mode in a first state respective to a second state depending on the time parameter that indicates a time when the one of the plurality of mobile stations

shall remain in the first state to thereafter change to the second state.

Claim 31 (New): Mobile station according to patent claim 30, further comprising:
an allocator configured to allocate a predefined value to the time parameter of the mobile station at the entry of the mobile station into the cellular mobile telephone system;
and

a reducer configured to reduce the time parameter according to a predefined rule when a cell update occurs.

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Claim 32 (New): Mobile station according to claim 31, wherein the value of the time parameter is halved at a cell update.

Claim 33 (New): Mobile station according to claim 30, further comprising:
an allocator configured to allocate a predefined value to the time parameter of the mobile station at the entry of the mobile station into the cellular mobile telephone system;
an estimator configured to estimate the speed of the mobile station through the cell network;

a reporting unit configured to report an estimated speed to the network at the cell update; and

an adapting unit configured to adapt the time parameter to the estimated speed of the mobile station according to a predefined rule.

Claim 34 (New): Mobile station according to claim 30, further comprising:
a reporting unit configured to report an estimated speed of the mobile station at its entry into the mobile telephone system;

a setting unit configured to set the time parameter of the mobile station according to a predefined rule, depending on the estimated speed;

an estimator configured to currently estimate the speed of the mobile station through the cell network;

a reporting unit configured to report the currently estimated speed to the network when a cell update occurs; and

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an adapting unit configured to adapt the time parameter to the currently estimated speed of the mobile station according to a predefined rule.

Claim 35 (New): Mobile station according to claim 33, wherein the time parameter is set according to a table in which different time parameters for different speed intervals are described.

Claim 36 (New): Mobile station according to claim 30, wherein said time parameter of the mobile station and a corresponding time parameter of the cell network are changed essentially at the same time.

